

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
6 October 2005 (06.10.2005)

PCT

(10) International Publication Number  
**WO 2005/092127 A1**

(51) International Patent Classification<sup>7</sup>: **A23L 2/02**, 2/84

(74) Agent: **REEVES, Julie, Frances**; GlaxoSmithKline, 980 Great West Road, Brentford Middlesex TW8 9GS (GB).

(21) International Application Number:  
PCT/EP2005/002701

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date: 9 March 2005 (09.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0405540.6 11 March 2004 (11.03.2004) GB

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicants (*for all designated States except US*): **GLAXO GROUP LIMITED** [GB/GB]; Glaxo Wellcome House, Berkeley Avenue, Greenford Middlesex UB6 0NN (GB). **RODIG-PENMAN, Andrea** [DE/GB]; GlaxoSmithKline, The Royal Forest Factory, Coleford Gloucestershire GL16 8JB (GB).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **CLIFFORD, Mike** [GB/GB]; University of Surrey, Guildford Surrey GU2 7XH (GB). **GIBSON, Glenn** [GB/GB]; University of Reading, PO Box 226, Whiteknights, Reading Berkshire RG6 6AP (GB). **HENG, Henglong** [GB/GB]; GlaxoSmithKline, The Royal Forest Factory, Coleford Gloucestershire GL16 8JB (GB).

**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: PREBIOTIC USE OF FRUITS AND FRUIT JUICES IN THE PROMOTION OF BENEFICIAL GUT MICROFLORA

(57) Abstract: The invention concerns the prebiotic effects of dark fruit and their juices such as blackcurrant, cranberry and pomegranate juices. The invention is also directed to the use of the a dark fruit or dark fruit juice for manufacture of an orally ingestible composition to promote health by promoting the growth of beneficial gut microflora. The beverage can be made from one or more dark fruit or juices, in combination with other prebiotics or probiotics and various other ingredients.

WO 2005/092127 A1